

X22B SAFETY CHECKLIST			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
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X21 SIDE OF BEAMLINE

- ☐ 1. Valid Padlock Index and log, no locks open.
- ☐ 2. Exclusion Zone (EZ #1) between Isolation Valve and Bremsstrahlung shield (BS #1).
- ☐ 3. Bremsstrahlung shield (BS #1) in place and banded see photo 1.
- ☐ 4. Exclusion Zone (EZ #2) downstream of Bremsstrahlung shield (BS #1)
- ☐ 5. Lead shield downstream of Exclusion Zone (EZ #2)
- ☐ 6. Vacuum Bellows #1 wrapped in lead upstream of Exclusion Zone (EZ #3)
- ☐ 7. Exclusion Zone (EZ #3) upstream of Bremsstrahlung shield (BS #2)
- ☐ 8. Bremsstrahlung shield (BS # 2) in place and banded see photo 2.
- ☐ 9. Lead shield downstream of Bremsstrahlung shield (BS # 2).

X23A2/A3 SIDE OF BEAMLINE

- ☐ 10. Vacuum Bellows #2 wrapped in lead upstream of Bremsstrahlung shield (BS #3).
- ☐ 11. Bremsstrahlung shield (BS # 3) in place and banded see photo 3.

X21 SIDE OF BEAMLINE

- ☐ 12. Scatter shielding on beamline slits and leaded glass on Viewport. see photo 3A.
- ☐ 13. Scatter shielding on Bellows and Be Window 2B. see photo 3A

INSIDE OF X22B HUTCH

- ☐ 14. Beam stop (BS-10) (inside hutch). See photo 4.
- ☐ 15. Exclusion Zone (EZ #4) around Monochromator inside hutch.

USER SYSTEM CHECKS

- ☐ A. Check Monochromator purge log and pressure gauge. Pressure should read positive 1 to 3 psi. If not, notify Bill at x2377, or Scott at x7110.

Checked by: _____ Date: _____

OPCO: _____ Date: _____